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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	09/396,523 Conf.# 7553
				Filing Date	September 15, 1999
				First Named Inventor	Christine L. O'Day
				Art Unit	1621
				Examiner Name	P. G. O'Sullivan
Sheet	1	of	3	Attorney Docket Number	22116-00005-US3

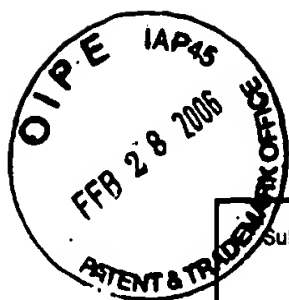
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
No ↑ ↓ No	CA**	Gallop, M.A., et al., "Applications of Combinatorial Technologies to Drug Discovery. Background and Peptide Combinatorial Libraries," J. MED. CHEM., (1994) 37(9): 1233-51.		
	CB**	Ganem, B., "New Chemistry of Naturally Occuring Polyamines," ACC. CHEM. RES., (1982) 15:290-8.		
	CC**	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. II. Unsaturated Spermidine and Spermine Derivatives," J. ORG. CHEM., (1987) 52:5044-6.		
	CD**	Ganem, B., et al., "Chemistry of Naturally Occuring Polyamines. 10. Nonmetabolizable Derivatives of Spermine and Spermidine," J. ORG. CHEM., (1986) 51:4856-61.		
	CE**	Goodnow, Jr. R.A., et al., "Oligomer Synthesis and DNA/RNA Recognition Properties of a Novel Oligonucleotide Backbone Analog: Glucopyranosyl Nuclei Amide (GNA)," TETRAHEDRON LETT., (1997) 38(18):3199-3202.		
	CF**	Goodnow, Jr., R.A., et al., "Synthesis of Thymine, Cytosine, Adenine, and Guanine Containing N-Fmoc Protected Amino Acids: Building Blocks for Construction of Novel Oligonucleotide Backbone Analogs," TETRAHEDRON LETT., (1997) 38(18):3195-8.		
	CG**	Gordon, E.M., et al., "Applications of Combinatorial Technologies to Drug Discovery Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions," J. MED. CHEM., (1994) 37(10): 1385-1401.		
	CH**	Gorus, F., et al., "Applications of Bio- and Chemiluminescence in the Clinical Laboratory," CLIN. CHEM., (1979) 25(4): 512-9.		
	CI**	Han, H., et al., "Liquid-Phase Combinatorial Synthesis," PROC. NATL. ACAD. SCI. USA, (1995) 92:6419-23.		
	CJ**	Hernandez, A.S. et al., "Solid-Supported tert-Alkoxy-carbonylation Reagents for Anchoring of Amines During Solid Phase Organic Synthesis," J. ORG. CHEM., (1997) 62:3153-7.		
	CK**	Huber, M. et al., "2,2'-Dithiobis (N-ethyl-spermine-5-carboxamide) Is a High Affinity, Membrane-Impermeant Antagonist of the Mammalian Polyamine Transport System," J. BIOL. CHEM., (1996) 271(44):27556-63.		
	CL**	Laguzza, B.C., et al., "A New Protecting Group For Amines. Synthesis of Anticapsin from L-Tyrosine," TETRAHED. LETT., (1981) 22(16):1483-6.		

Examiner Signature	<i>P. G. O'Sullivan</i>	Date Considered	<i>July 2006</i>
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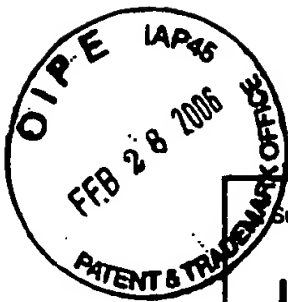
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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	09/396,523 Conf.# 7553
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	September 15, 1999
				First Named Inventor	Christine L. O'Day
				Art Unit	1621
				Examiner Name	P. G. O'Sullivan
Sheet	2	of	3	Attorney Docket Number	22116-00005-US3

1/2	CM**	Lakanen, J.R., et al., "α-Methyl Polyamines: Metabolically Stable Spermidine and Spermine Mimics Capable of Supporting Growth in Cells Depleted of Polyamines," J. MED. CHEM., (1992) 35:724-34.	
↑	CN**	Lee, J., "Facile Preparation of Cyclopropylamines from Carboxamides," J. ORG. CHEM., (1997) 62:1584-5.	
	CO**	Li, Y. et al., "Synthesis and Antitumor Evaluation of a Highly Potent Cytotoxic DNA Cross-Linking Polyamine Analogue, 1, 12-Diaziridinyl-4, 9-diazadodecane," J. MED. CHEM., (1996) 39:339-41.	
	CP**	Lloyd-Williams, P., "Convergent Solid-Phase Peptide Synthesis," TETRAHEDRON, (1993) 49(48): 11065-133.	
	CQ**	Marton, L.J., et al., "Polyamines as Targets for Therapeutic Intervention," ANNU. REV. PHARMACOL. TOXICOL., (1995) 35:55-91.	
	CR**	Muramoto, K., "Preparation and Characterization of Photoactivable Heterobifunctional Fluorescent Reagents," AGRIC. BIOL. CHEM., (1984) 48 (11), 2695-9.	
	CS**	Nakaoka, T., et al., "Inhibition of Rat Vascular Smooth Muscle Proliferation In Vitro and In Vivo by Bone Morphogenetic Protein-2," J. CLIN. INVEST., (1997) 100 (11): 2824-32.	
	CT**	Pfizer, K.E., et al., "Sulfoxide-Carodiimide Reactions. I. A Facile Oxidation of Alcohols," J. AM. CHEM. SOC., (1965) 87(24): 5661-9.	
	CU**	Quemener, V., et al., "Polyamine Deprivation: A New Tool in Cancer Treatment," ANTICANCER RES., (1994) 14:443-8.	
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	CW**	Rajeev, K.G., et al., "Conformationally Restrained Chiral Analogues of Spermine: Chemical Synthesis and Improvements in DNA Triplex Stability," J.ORG CHEM., (1997) 62:5169-73.	
	CX**	Ranganathan, R.S., et al., "Novel Analogs of Nucleoside 3',5'-Cyclic Phosphates. I. 5'-Mono- and Dimethyl Analogs of Adenosine 3', 5'-Cyclic Phosphate," J. ORG. CHEM., (1974) 39(3):290-8.	
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	CZ**	Salemme, F.R., et al., "Serendipity Meets Precision: The Integration of Structure-Based Drug Design and Combinatorial Chemistry for Efficient Drug Discovery," STRUCTURE, (1997) 5(3):319-24.	
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	CB1**	Schallenberg, E.E., et al., "Ethyl Thioltrifluoroacetate As An Acetylating agent with Particular Reference to Peptide Synthesis," J.AM.CHEM.SOC., (1955) 77:2779-83.	
	CC1**	Seiler, N. et al., "Polyamine transport in Mammalian Cells. An Update," INT. J. BIOCHEM. CELL BIOL., (1996) 28(9): 843-61.	
	CD1**	Seiler, N. et al., "Polyamine Transport In Mammalian Cells," INT.J. BIOCHEM., (1990) 22(3):211-8.	
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	CF1**	Siegel, M.G. et al., "Rapid Purification of Small Molecule Libraries by Ion Exchange Chromatography," TETRAHEDRON LETT., (1997) 38(19): 3357-60.	
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1/2	CH1**	Thompson, L.A. et al., "Straightforward and General Method for Coupling Alcohols to Solid Supports," TETRAHED. LETT., (1994) 35:9333-6.	

Examiner Signature	P. O'S	Date Considered	July 2006
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				Art Unit	1621
				Examiner Name	P. G. O'Sullivan
Sheet	3	of	3	Attorney Docket Number	22116-00005-US3

110	CI1**	Ventura, C. et al., "Polyamine Effects on [Ca2+] 1 Homeostasis and Contractility in Isolated Rat Ventricular Cardiomyocytes," AM. J. PHYSIOL., (1994) 267:H587-H592.	
110	CJ1**	Wang, S.-S., "p-Alkoxybenzyl Alcohol Resin and p-Alkoxybenzyloxycarbonylhydrazide Resin for Solid Phase Synthesis of Protected Peptide Fragments," J. AM. CHEM. SOC., (1973) 95(4): 1128-1333.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ** CITE NO.: Those document(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>P. G. O'Sullivan</i>	Date Considered	<i>Feb 2006</i>
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Form PTO-1449

Docket Number 275102001021

Application Number 09/396,523

INFORMATION DISCLOSURE CITATIONS
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Nicolas M.J. VERMEULIN et al.

Filing Date September 15, 1999

Group Art Unit (unassigned)

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
1/10	1.	01/05/82	4,309,442	Bey et al.	424	319	
1/10	2.	09/27/88	4,774,339	Haugland et al.	548	405	
	3.	04/04/89	4,818,770	Weinstein et al.	514	564	
	4.	02/16/93	5,187,288	Kang et al.	548	110	
	5.	09/28/93	5,248,782	Haugland et al.	548	110	
	6.	10/12/93	5,252,714	Harris et al.	530	391.9	
	7.	12/28/93	5,274,113	Kang et al.	548	405	
	8.	07/18/95	5,433,896	Kang et al.	252	200	
X	9.	09/19/95	5,451,663	Kang et al.	530	367	
1/10	10.	08/12/97	5,656,671	Bergeron, Jr.	514	674	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
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OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
1/10	11.	Albanese, L., et al., "Investigations of the Mechanism by which Mammalian Cell Growth is Inhibited by N,N'-Bis(ethyl)spermine," BIOCHEM. J., (1993) 291:131-7
1/10	12.	Ask, A., et al., "Increased Survival of L1210 Leukemic Mice by Prevention of the Utilization of Extracellular Polyamines. Studies Using a Polyamine-Uptake Mutant, Antibiotics and a Polyamine-Deficient Diet," CANCER LETT., (1992) 66:29-34
1/10	13.	Baguley, B.C., "DNA Intercalating Anti-Tumour Agents," ANTI-CANCER DRUG DESIGN, (1991)6:1-35
1/10	14.	Balasundaram, D., et al., "Polyamine - DNA Nexus: Structural Ramifications and Biological Implications," MOL. CELL. BIOL., (1991) 100:129-40
1/10	15.	Bergeron, R. J., et al., "Antiproliferative Properties of Polyamine Analogues: A Structure-Activity Study," J. MED. CHEM., (1994) 37:3464-76
1/10	16.	Bergeron, R. J., et al., "Reagents for the Stepwise Functionalization of Spermine," J. ORG. CHEM.,

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J. O'A

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Applicant

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Filing Date September 15, 1999

Group Art Unit (unassigned)

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
		(1988) 53: 3108-11
<i>Not initials</i>	17.	Bergeron, R. J., et al., "Total Synthesis of (+)-15-Deoxyspergualin," J. ORG. CHEM., (1987) 52:1700-3
	18.	Bergeron, R.J., et al., "A Comparison of Structure-Activity Relationships between Spermidine and Spermine Analogue Antineoplastics," J. MED. CHEM., (1997) 40:1475-94
	19.	Bhaskar Kanth, J. V., et al., "Selective Reduction of Carboxylic Acids into Alcohols Using NaBH ₄ and I ₂ ," J. ORG. CHEM., (1991) 56: 5964-5
	20.	Blagbrough, I. S., et al., "Practical Synthesis of the Putative Polyamine Spider Toxin FTX: a Proposed Blocker of Voltage-Sensitive Calcium Channels," TETRAHEDRON LETT., (1994) 35(13):2057-60
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	22.	Borch, R.F., et al., "The Cyanohydrinborate Anion as a Selective Reducing Agent," J. AM. CHEM. SOC., (1971) 93(12):2897-2904
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	26.	Butler, J.E., et al., "The Physical and Functional Behavior of Capture Antibodies Adsorbed on Polystyrene," J. IMMUNOL. METH., (1992) 150:77-90
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	28.	Casero Jr., R. A., et al., "High Specific Induction of Spermidine/Spermine N ¹ -Acetyltransferase in a Human Large Cell Lung Carcinoma," BIOCHEM. J., (1990) 270:615-20
	29.	Chan, P.P., et al., "Triplex DNA: Fundamentals, Advances, and Potential Applications for Gene Therapy," J. MOL. MED., (1997) 75: 267-82
	30.	Chaplinski, V., et al., "A Versatile New Preparation of Cyclopropylamines from Acid Dialkylamides," ANGEW. CHEM. INT. ED. ENGL., (1996) 35(4):413-4
	31.	Dempcy, R. O., et al., "Design and Synthesis of Ribonucleic Guanidine: A Polycationic Analog of RNA," PROC. NATL. ACAD. SCI. U.S.A., (1996) 93:4326-30
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Nicolaas M.J. VERMEULIN et al.

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Group Art Unit (Unassigned)

OTHER DOCUMENTS

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	33.	Douglas, S. P., et al., "Polymer-Supported Solution Synthesis of Oligosaccharides Using a Novel Versatile Linker for the Synthesis of D-Mannopentaose, a Structural Unit of D-Mannans of Pathogenic Yeasts," J. AM. CHEM. SOC., (1995) 117:2116-7
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	35.	Felschow, D.M., et al., "Photoaffinity Labeling of a Cell Surface Polyamine Binding Protein," J. BIOL. CHEM., (1995) 270(48):28705-11
	36.	Flemming, S.A., "Chemical Reagents in Photoaffinity Labeling," TETRAHEDRON, (1995) 51(46):12479-520
	37.	Flescher, E., et al., "Increased Polyamines May Downregulate Interleukin 2 Production in Rheumatoid Arthritis," J. CLIN. INVEST., (1989) 83:1356-62
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	39.	Furumitsu, Y., et al., "Levels of Urinary Polyamines in Patients with Rheumatoid Arthritis," J. RHEUMATOLOGY, (1993) 20(10):1661-5
	40.	Gallop, M.A., et al., "Applications of Combinatorial Technologies to Drug Discovery. Background and Peptide Combinatorial Libraries," J. MED. CHEM., (1994) 37(9):1233-51
	41.	Ganem, B., "New Chemistry of Naturally Occurring Polyamines," ACC. CHEM. RES., (1982) 15: 290-8
	42.	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. II. Unsaturated Spermidine and Spermine Derivatives," J. ORG. CHEM., (1987) 52:5044-6
	43.	Ganem, B., et al., "Chemistry of Naturally Occurring Polyamines. 10. Nonmetabolizable Derivatives of Spermine and Spermidine," J. ORG. CHEM., (1986) 51:4856-61
	44.	Goodnow Jr., R., et al., "Synthesis of Glutamate Receptor Antagonist Philanthotoxin-433 (PhTX-433) and its Analogs," TETRAHEDRON LETT., (1990) 46(9):3267-86
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	46.	Goodnow, Jr., R.A., et al., "Synthesis of Thymine, Cytosine, Adenine, and Guanine Containing N-Fmoc Protected Amino Acids: Building Blocks for Construction of Novel Oligonucleotide Backbone Analogs," TETRAHEDRON LETT., (1997) 38(18):3195-8
	47.	Gordon, D.W., et al., "Reductive Alkylation on a Solid Phase: Synthesis of a Piperazinedione Combinatorial Library," BIOORG. MED. CHEM. LETT., (1995) 5(1):47-50
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	49.	Gorus, F., et al., "Applications of Bio- and Chemiluminescence in the Clinical Laboratory," CLIN.

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Examiner's Initials	Ref. No.	Title
		CHEM., (1979) 25(4):512-9
	50.	Ha, H.C. et al., "The Role of Polyamine Catabolism in Polyamine Analogue-Induced Programmed Cell Death," PROC. NATL. ACAD. SCI., (1997) 94:11557-62
	51.	Han, N. et al., "Liquid-Phase Combinatorial Synthesis," PROC. NATL. ACAD. SCI. USA, (1995) 92:6419-23
	52.	Hanauske-Abel, H. M. et al., "Detection of a Sub-Set of Polysomal mRNAs Associated with Modulation of Hypusine Formation at the G1-S Boundary Proposal of a Role for eIF-5A in onset of DNA Replication," FEBS LETT., (1995) 366:92-8
	53.	Hernández, A.S. et al., "Solid-Supported tert-Alkoxyacylation Reagents for Anchoring of Amines During Solid Phase Organic Synthesis," J. ORG. CHEM., (1997) 62:3153-7
	54.	Holley, J., et al., "Uptake and Cytotoxicity of Novel Nitroimidazole-Polyamine Conjugates in Ehrlich Ascites Tumour Cells," BIOCHEM. PHARMACOL., (1992) 43(4):763-9
	55.	Holley, J.L., et al., "Targeting of Tumor Cells and DNA by a Chlorambucil-Spermidine Conjugates," CANCER RES., (1992) 52:4190-5
	56.	Huber, M. et al., "2,2'-Dithiobis (N-ethyl-spermine-5-carboxamide) Is a High Affinity, Membrane-Impermeant Antagonist of the Mammalian Polyamine Transport System," J. BIOL. CHEM., (1996) 271(44):27556-63
	57.	Huber, M. et al., "Antiproliferative Effect of Spermine Depletion by N-Cyclohexyl-1,3-diiminopropane in Human Breast Cancer Cells," CANCER RES., (1995) 55:934-43
	58.	Iwanowicz, E.J. et al., "Preparation of N,N'-Bis-tert-Butoxycarbonylthiourea," SYNTHETIC COMM., (1993) 23(10):1443-5
	59.	Janda, K.D. et al., "Combinatorial Chemistry: A Liquid-Phase Approach," METH. ENZYMOL., (1996) 267:234-47
	60.	Jasnis, M.A. et al., "Polyamines Prevent DFMO-Mediated Inhibition of Angiogenesis," CANCER LETT., (1994) 79:39-43
	61.	Kaiser, E. et al., "Color Test for Detection of Free Terminal Amino Groups in the Solid-Phase Synthesis of Peptides," ANAL. BIOCHEM., (1970) 34(2):595-8
	62.	Kakinuma, Y. et al., "Cloning of the Gene Encoding a Putative Serine/Threonine Protein Kinase Which Enhances Spermine Uptake In Saccharomyces Cerevisiae," BIOCHEM. BIOPHYS. RES. COMM., (1995) 216(3):985-92
	63.	Karahalios, P. et al., "The Effect of Acylated Polyamine Derivative on Polyamine Uptake Mechanism, Cell Growth, and Polyamine Pools in Escherichia Coli, and the Pursuit of Structure/Activity Relationships," EUR. J. BIOCHEM., (1998) 251:998-1004
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EXAMINER: <i>A. J. N.</i>	DATE CONSIDERED: <i>Oct 2005</i>
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Form PTO-1449

Docket Number 275102001021

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INFORMATION DISCLOSURE CITATION
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Applicant

Nicolaas M.J. VERMEULIN et al.

Filing Date September 15, 1999

Group Art Unit (unassigned)

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